

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

ALIGNMENT MEANS FOR CHAMBER CLOSURE TO
REDUCE WEAR ON SURFACES

Application Number: 10/639077



Confirmation Number: 6943

First Named Applicant: Joseph Hillman

Attorney Docket Number:

Search string: (5193560 or 5195878 or 5213485 or 5221019
or 5222876 or 5224504 or 5236669 or 5237824
or 5240390 or 5243821 or 5246500 or 5251776
or 5267455 or 5280693 or 5285352 or 5288333
or 5313965 or 5314574 or 5328722 or 5337446
or 5339844 or 5355901 or 5368171 or 5370741
or 5377705 or 5401322 or 5404894 or 5412958
or 5417768 or 5433334 or 5447294 or 5503176
or 5505219 or 5509431 or 5526834 or 5533538
or 5571330 or 5589224 or 5621982 or 5629918
or 5644855 or 5649809 or 5656097 or 5669251
or 5702228 or 5706319 or 5746008 or 5797719
or 5798126 or 5881577).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5193560	1993-03-16	Tanaka et al.			
<input checked="" type="checkbox"/>	2	5195878	1993-03-23	Sahiavo et al.			
<input checked="" type="checkbox"/>	3	5213485	1993-05-25	Wilden			
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<input checked="" type="checkbox"/>	7	5236669	1993-08-17	Simmons et al.			
<input checked="" type="checkbox"/>	8	5237824	1993-08-24	Pawliszyn			
<input checked="" type="checkbox"/>	9	5240390	1993-08-31	Kvinge et al.			
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<input checked="" type="checkbox"/>	50	5881577	1999-03-16	Sauer et al.

Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current electronic filing contains part 2 out of a total of 4 electronic filings.

Signature

Examiner Name	Date
<i>R₂</i>	10-14-05



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Application Number: 10/639077



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First Named Applicant: Joseph Hillman

Attorney Docket Number:

Search string: (5882165 or 5888050 or 5898727 or 5900107
or 5904737 or 5928389 or 5932100 or 5934856
or 5934991 or 5979306 or 5980648 or 5981399
or 5989342 or 6005226 or 6017820 or 6029371
or 6035871 or 6037277 or 6053348 or 6056008
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or 6388317 or 6389677 or 6418956 or 6436824
or 6454945 or 6464790).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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✓	30	6164297	2000-12-26	Kamikawa	
✓	31	6186722	2001-02-13	Shirai	B1
✓	32	6203582	2001-03-20	Berner et al.	B1
✓	33	6216364	2001-04-17	Tanaka et al.	B1
✓	34	6228563	2001-05-08	Starov et al.	B1
✓	35	6235634	2001-05-22	White et al.	B1
✓	36	6239038	2001-05-29	Wen	B1
✓	37	6241825	2001-06-05	Wytman	B1
✓	38	6251250	2001-06-26	Keigler	B1
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✓	41	6286231	2001-09-11	Bergman et al.	B1
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✓	45	6388317	2002-05-14	Reese	B1
✓	46	6389677	2002-05-21	Lenz	B1

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48	6436824	2002-08-20	Chooi et al.	B1
49	6454945	2002-09-24	Weigl et al.	B1
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Remarks

Note: Remarks are not for responding to an office action.

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Signature

Examiner Name	Date
<i>Re</i>	10-14-05



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First Named Applicant: Joseph Hillman

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Search string: (6521466 or 6541278 or 6546946 or 6550484
or 6558475 or 6561213 or 6561220 or 6561481
or 6561767 or 6564826 or 5217043 or
20020001929),pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input checked="" type="checkbox"/>	10	6564826	2003-05-20	Shen	B1		
<input checked="" type="checkbox"/>	11	5217043	1993-06-08	Novakovi			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	20020001929	2002-01-03	Biberger et al.	A1		

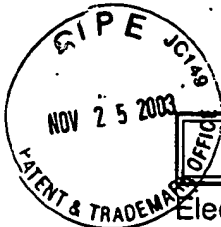
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Signature

Examiner Name	Date
<i>Ren</i>	10-14-05



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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ALIGNMENT MEANS FOR CHAMBER CLOSURE TO
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Application Number: 10/639077



Confirmation Number: 6943

First Named Applicant: Joseph Hillman

Attorney Docket Number:

Search string: (2617719 or 2625886 or 3744660 or 3968885
or 4029517 or 4091643 or 4245154 or 4341592
or 4355937 or 4367140 or 4406596 or 4422651
or 4474199 or 4522788 or 4549467 or 4592306
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or 4693777 or 4749440 or 4778356 or 4788043
or 4789077 or 4823976 or 4825808 or 4827867
or 4838476 or 4865061 or 4879431 or 4917556
or 4924892 or 4951601 or 4960140 or 4983223
or 5011542 or 5044871 or 5062770 or 5071485
or 5105556 or 5143103 or 5167716 or 5169296
or 5169408 or 5185296 or 5186718 or 5188515
or 5190373 or 5191993).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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<input checked="" type="checkbox"/>	2	2625886	1953-01-20	Browne			
<input checked="" type="checkbox"/>	3	3744660	1973-07-10	Gaines et al.			
<input checked="" type="checkbox"/>	4	3968885	1976-07-13	Hassan et al.			
<input checked="" type="checkbox"/>	5	4029517	1977-06-14	Rand			
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<input checked="" type="checkbox"/>	7	4245154	1981-01-13	Uehara et al.			
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<input checked="" type="checkbox"/>	9	4355937	1982-10-26	Mack et al.			
<input checked="" type="checkbox"/>	10	4367140	1983-01-04	Wilson			

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✓	12	4422651	1983-12-27	Platts
✓	13	4474199	1984-10-02	Blaudszun
✓	14	4522788	1995-06-11	Sitek et al.
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✓	17	4601181	1986-07-22	Privat
✓	18	4626509	1986-12-02	Lyman
✓	19	4670126	1987-06-02	Messer et al.
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✓	21	4693777	1987-09-15	Hazano et al.
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✓	24	4788043	1988-11-29	Kagiyama et al.
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✓	26	4823976	1989-04-25	White, III et al.
✓	27	4825808	1989-05-02	Takahashi et al.
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✓	29	4838476	1989-06-13	Rahn
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✓	32	4917556	1990-04-17	Stark et al.
✓	33	4924892	1990-05-15	Kiba et al.
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✓	37	5011542	1991-04-30	Weil
✓	38	5044871	1991-09-03	Davis et al.
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Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current electronic filing contains part 1 out of a total of 4 electronic filings.

Signature

Examiner Name	Date
<i>Re</i>	10-14-05

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: SSI-08100

Serial No.: 10/639,077

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Joseph Hillman

(37 CFR § 1.98)

Filing Date: August 11, 2003

Group Art Unit: 1762

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
K	AA	CN 1399790 A	02/26/03	China	H01L	21/00		X
K	AB	DE 36 08 783 A1	09/17/87	Germany	C30B	25/12		X
K	AC	DE 198 60 084 A1	07/06/00	Germany	H01L	21/3213		X
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K	AO	JP 2-209729	8/21/90	Japan	H01L	21/302		X
K	AP	JP 8-186140	07/16/96	Japan	H01L	21/56		X
K	AQ	JP 10-144757	05/29/98	Japan	H01L	21/68		X
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K	AT	JP 56-142629	11/07/81	Japan	H01L	21/205		X
K	AU	JP 60-238479	11/27/85	Japan	C23C	14/56		X
K	AV	JP 60-246635	12/06/85	Japan	H01L	21/302		X
K	AW	JP 61-231166	10/15/86	Japan	C23C	14/24		X
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K	AY	JP 63-303059	12/09/88	Japan	C23C	14/22		X
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K	BC	WO 91/12629	08/22/91	PCT	H01L	21/00		X
K	BD	WO 99/18603	04/15/99	PCT	H 01L	21/00		X
K	BE	WO 00/36635	06/22/00	PCT	H01L	21/00		X
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K	BG	WO 01/33615 A3	5/10/01	PCT	H01L	21/00		X
K	BH	WO 01/55628 A1	08/02/01	PCT	F16K	51/02		X
K	BI	WO 01/68279 A2	09/20/01	PCT	B08B	7/00		X

Examiner:

Ran

Date Considered:

10-14-05

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: SSI-08100

Serial No.: 10/639,077

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Joseph Hillman

Filing Date: August 11, 2003

Group Art Unit: 1762

(37 CFR § 1.98(b))

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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							Yes	No
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<input checked="" type="checkbox"/>	BQ	Sun, Y.P. et al., "Preparation of Polymer-Protected Semiconductor Nanoparticles Through the Rapid Expansion of Supercritical Fluid Solution," Chemical Physics Letters, pp. 585-588, May 22, 1998.
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<input checked="" type="checkbox"/>	BY	Hybertson, B.M. et al., "Deposition of Palladium Films by a Novel Supercritical Fluid Transport Chemical Deposition Process," Mat. Res. Bull., Vol. 26, pp. 1127-1133, 1991.
<input checked="" type="checkbox"/>	BZ	Ziger, D. H. et al., "Compressed Fluid Technology: Application to RJE-Developed Resists," AiChE Jour., Vol. 33, No. 10, pp. 1585- 1591, October 1987.
<input checked="" type="checkbox"/>	CA	Matson, D.W. et al., "Rapid Expansion of Supercritical Fluid Solutions: Solute Formation of Powders, Thin Films, and Fibers," Ind. Eng. Chem. Res., Vol. 26, No. 11, pp. 2298-2306, 1987.
<input checked="" type="checkbox"/>	CB	Tolley, W.K. et al., "Stripping Organics from Metal and Mineral Surfaces using Supercritical Fluids," Separation Science and Technology, Vol. 22, pp. 1087-1101, 1987.
<input checked="" type="checkbox"/>	CC	Joseph L. Foszcz, "Diaphragm Pumps Eliminate Seal Problems", Plant Engineering, pp. 1-5, February 1, 1996.
<input checked="" type="checkbox"/>	CD	Bob Agnew, "WILDEN Air-Operated Diaphragm Pumps", Process & Industrial Training Technologies, Inc., 1996.
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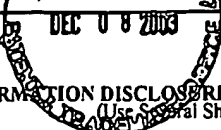
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Date Considered:

10-14-05

EXAMINER:


Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-144 (Modified)				U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: SSI-08100		Serial No.: 10/639,077	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)						Applicant: Joseph Hillman			
(37 CFR § 1.98(b))						Filing Date: August 11, 2003		Group Art Unit: 1762	

U.S. PATENT DOCUMENTS							
Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date	
✓	AA	5,672,204	09/30/97	Habuka	117	204	04/25/96
✓	AB	5,817,178	10/06/98	Mita et al.	118	666	05/29/96
✓	AC	6,508,259 B1	01/21/03	Tseronis et al.	134	105	08/04/00
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	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
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✓	AK	61-017151	01/25/86	Japan	G03G	5/082	X	
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	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)	
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Examiner: 	Date Considered: 10-14-05
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPTElectronic Version 1.1
Stylesheet Version v1.1.1

Title of Invention

ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES

Submission Type: Information Disclosure Statement

Application Number: 10/639077

10/639077

EFS ID: 63070

Server Response:

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ICON1	6943
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/

First Named Applicant: Joseph Hillman

Attorney Docket Number:

Timestamp: 2004-06-22 13:07:02 EDT

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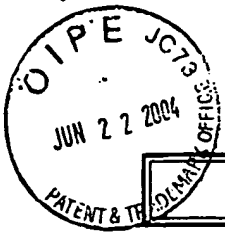
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Page 2 of 2

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

ALIGNMENT MEANS FOR CHAMBER CLOSURE TO
REDUCE WEAR ON SURFACES

Application Number: 10/639077



Confirmation Number: 6943

First Named Applicant: Joseph Hillman

Attorney Docket Number:

Search string: (5186594 or 5769588 or 5906866 or 5975492
or 6122566 or 6355072 or 6454519 or
20030205510 or 20040020518).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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Note: Applicant is not required to submit a paper copy of cited US Published Applications

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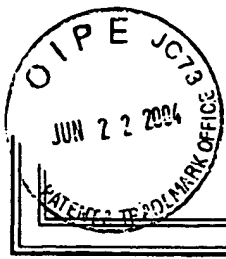
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Date

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10-14-05



UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

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Confirmation Code	Message									
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ICON1	6943									
USPTOEFSNotice	The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll -Free Number:1866 217-9197 Website: www.uspto.gov/ebc/									

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12/15/2004

Acknowledgement Receipt

Page 2 of 2

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12/15/2004

TRANSMITTAL							
Electronic Version v1.1 Stylesheet Version v1.1.0							
Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES						
Application Number:	10/639077 *10/639077*						
Date:	2003-08-11						
First Named Applicant:	Joseph Hillman						
Confirmation Number:	6943						
Attorney Docket Number:							
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>							
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Submitted by:	Elec. Sign.	Sign. Capacity					
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Stylesheet Version v1.8.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES						
Application Number:	10/639077 *10/639077*						
Confirmation Number:	6943						
First Named Applicant:	Joseph Hillman						
Attorney Docket Number:							
Search string:	(3623627 or 4426358 or 4574184 or 5374829 or 5474410 or 5879459 or 6048494 or 6062853 or 6089377 or 6406782 or 20010050096).pn.						
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US Published Applications							
Note: Applicant is not required to submit a paper copy of cited US Published Applications							

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Examiner Name				Date			
Rae				10-14-05			

12-15-04

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

**Title of
Invention**

**ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE
WEAR ON SURFACES**

Application Number : 10/639077



Confirmation Number: 6943

First Named Applicant: Joseph Hillman

Attorney Docket Number:

Art Unit:

Examiner:

Search string: (3623627 or 4426358 or 4574184 or 5374829 or 5474410 or 5879459 or 6048494
or 6062853 or 6089377 or 6406782 or 20010050096).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input checked="" type="checkbox"/>	3	4574184	1986-03-04	Wolf et al.			
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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

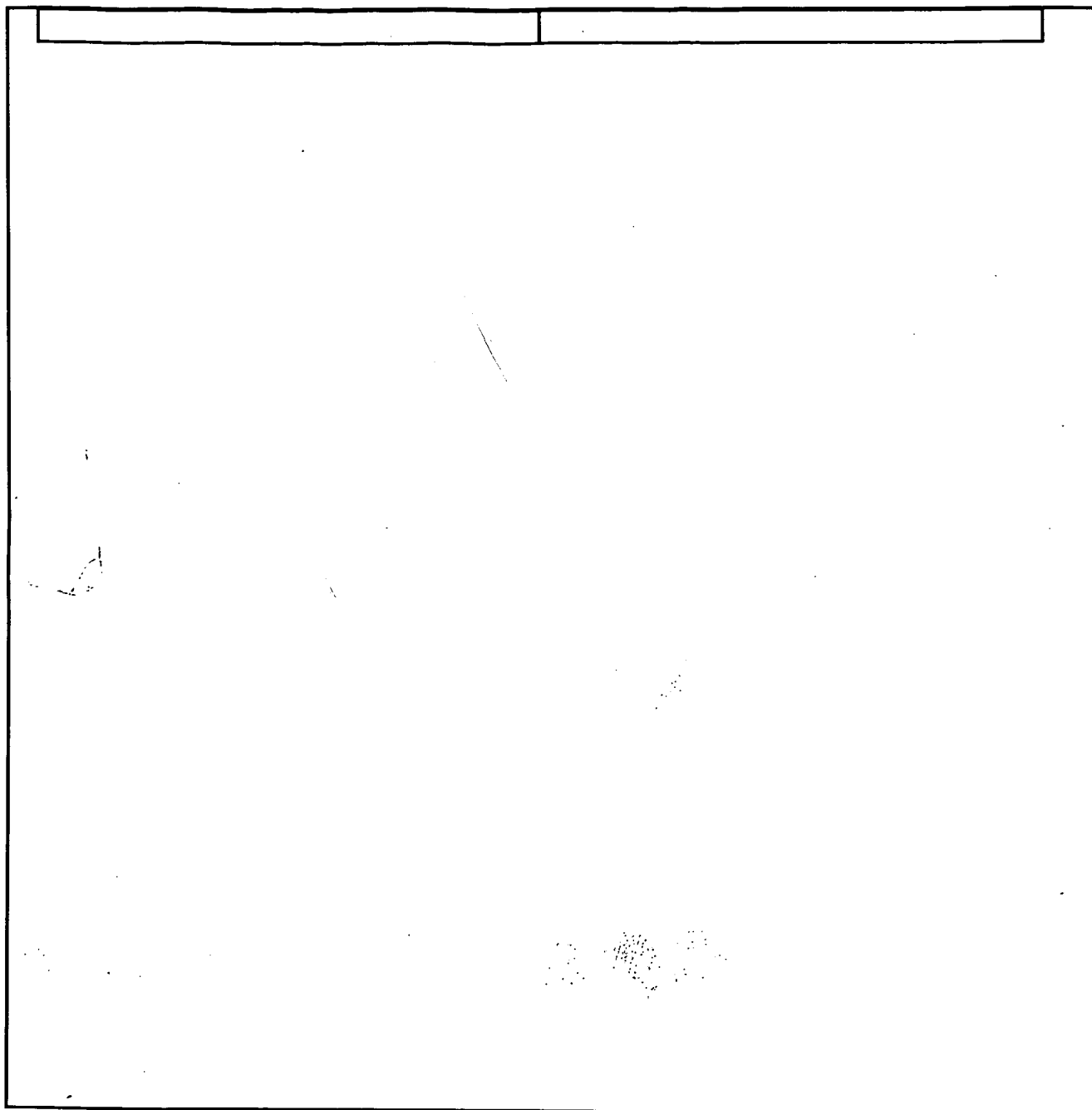
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Signature

Examiner Name

Date

10-14-05



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10/639077

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Stylesheet Version v18.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES
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Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joesph Hillman
 Attorney Docket Number:
 Art Unit:
 Examiner:
 Search string: (20030051741).pn



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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Signature

Examiner Name	Date
<i>Raz</i>	10-14-05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES
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Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joseph Hillman



Attorney Docket Number:

Art Unit:

Examiner:

Search string: (5306350 or 5772783 or 5850747 or 5858107 or 5943721 or 5946945 or 5970554
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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7-18-05

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Signature

Examiner Name	Date
<i>Re</i>	10-14-05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES
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Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joseph Hillman
 Attorney Docket Number:
 Art Unit:
 Examiner:
 Search string: (5494526 or 6333268).pn



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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u	2	6333268	2001-12-25	Starov et al.	B1		

Signature

Examiner Name	Date
Rm	10-14-05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES
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Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joesph Hillman
 Attorney Docket Number:
 Art Unit:
 Examiner:
 Search string: (20030036023 or 20040134515).pn



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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Signature

Examiner Name	Date
<i>Ran</i>	10-14-05

ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

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Title of Invention

ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES

Submission Type : Information Disclosure
Statement

Application Number:

10/639077



EFS ID:

81861

Server Response:

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First Named Applicant: Joseph Hillman

Attorney Docket Number:

Timestamp: 2005-04-08 17:00:10 EDT

From: US

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Name: cn=Thomas B.
Haverstock,ou=Registered
Attorneys,ou=Patent and
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE WEAR ON SURFACES
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Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joseph Hillman
 Attorney Docket Number:
 Art Unit:
 Examiner:
 Search string: (4391511 or 6722642).pn



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4391511	1983-07-05	Akiyama et al.			
<input checked="" type="checkbox"/>	2	6722642	2004-04-20	Sutton et al.	B1		

Signature

Examiner Name	Date
<i>Ras</i>	10-14-05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

**Title of
Invention**

ALIGNMENT MEANS FOR CHAMBER CLOSURE TO REDUCE
WEAR ON SURFACES

Application Number : 10/639077
 Confirmation Number: 6943
 First Named Applicant: Joseph Hillman



Attorney Docket Number:

Art Unit:

Examiner:

Search string: (3689025 or 5679169 or 6021791 or 6109296 or 6465403 or 6509141 or 6635565
or 6641678).pn

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	3689025	1972-09-05	Kiser			
<input checked="" type="checkbox"/>	2	5679169	1997-10-21	Gonzales et al.			
<input checked="" type="checkbox"/>	3	6021791	2000-02-08	Dryer et al.			
<input checked="" type="checkbox"/>	4	6109296	2000-08-29	Austin			
<input checked="" type="checkbox"/>	5	6465403	2002-10-15	Skee	B1		
<input checked="" type="checkbox"/>	6	6509141	2003-01-21	Mullee	B2		
<input checked="" type="checkbox"/>	7	6635565	2003-10-21	Wu et al.	B2		
<input checked="" type="checkbox"/>	8	6641678	2003-11-04	DeYoung et al.	B2		

Signature

Examiner Name	Date
<i>Ra</i>	10-14-05

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: SSI-08100		Serial No.: 10/639,077	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Joseph Hillman			
(37 CFR § 1.98(b))				Filing Date: August 11, 2003		Group Art Unit: 1762	

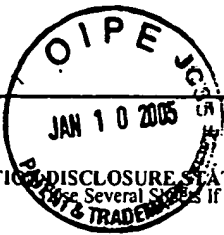
U.S. PATENT DOCUMENTS							
Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
Examiner Initials	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation		
						Yes	No	
<i>Dr</i>	AK	JP 8-206485	08/13/96	JP	B01J	3/06	X	
	AL							
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)	
AP	
AQ	
AR	
AS	
AT	
AU	
AV	
AW	
AX	
AY	
AZ	

Examiner: <i>Ran</i>	Date Considered: <i>10-14-05</i>
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



NON ELECTRONIC

Sheet 1 of 1

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: COOL-08100

Serial No.: 10/639,077

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(See Several States If Necessary)

Applicant: Joseph Hillman

Filing Date: August 11, 2003

Group Art Unit: 1762

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
M	AK	JP 40 5283511 A	10/29/93	JP	H01L	21/68	X	
M	AL	JP 2001-77074	03/23/01	JP	H01L	21/304	X	
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
	AQ	
	AR	
	AS	
	AT	
	AU	
	AV	
	AW	
	AX	
	AY	
	AZ	

Examiner: *Ran*

Date Considered: 10-14-05

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.